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BOOKS ON THE
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BOOKS ON THE MANUAL ARTS



FOREWORD

The purpose of this book is to assist teachers in securing the best, and just the books on the manual arts, which are suited to their needs. The description given is necessarily brief. Should additional information be desired, this will be freely given and without cost or obligation. If requested, assistance will also be given in the selection of textbooks, reference books, and manuals for both teachers' and students' use. The Subject Index on page 3 and the Author and Title Index on page 60 will be found convenient helps in locating titles of interest.

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THE MANUAL ARTS PRESS

PEORIA, ILLINOIS

1915



FROM "PAYNES ART METALWORK WITH INEXPENSIVE EQUIPMENT"

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WITH INEXPENSIVE EQUIPMENT

BY ARTHUR F. PAYNE

ASSISTANT PROFESSOR OF MANUAL ARTS

BRADLEY POLYTECHNIC INSTITUTE, PEORIA, ILLINOIS



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CRAFTSMEN

186 Pages

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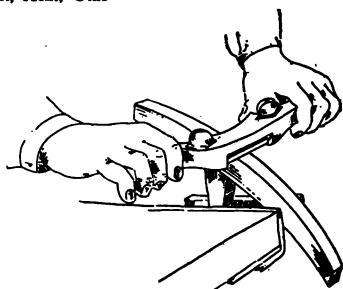
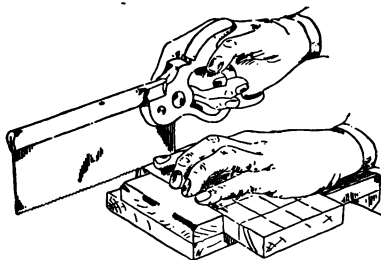
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By FREDERICK H. EVANS

Bradley Polytechnic Institute, Peoria, Illinois

THIS textbook will be welcomed by instructors in mechanical drawing and especially those having had commercial drafting experience, as it is essentially a text on methods with its aim *speed* and *practical effectiveness*. It is well adapted to classes in trade schools, evening schools, continuation schools, and particularly vocational classes. The book is essentially a reprint from the author's larger work, "THE DRAFTING ROOM SERIES" and comprises "The Geometry of Drafting," and "Kinks and Short Cuts." The geometrical problems presented are those which have risen in the author's work in machine drafting, covering a period of over ten years, and the solutions given are the best solutions arrived at after many hours of study. The problems are presented in their own language—in the drawing board language of conventional lines. Mathematical formulae are reduced to a minimum. "Kinks and Short Cuts" demonstrate the use of paper as a tool in such a way as to render the mechanical work of solving the problems in this subject much more accurate, less difficult, and, we believe, more interesting. The book presents an extremely efficient and simple method of making working drawings of bevel gears, especially when the axes are not at right angles.

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By FREDERICK H. EVANS, M. E.

Assistant Professor of Manual Arts
Bradley Polytechnic Institute, Peoria, Illinois

AN EXTREMELY PRACTICAL TREATMENT
OF COMMERCIAL DRAFTING



A MODERN AND SUCCESSFUL TEXTBOOK — RICH IN
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THIS unique work is the result of a new analysis of the processes of commercial drafting by a practical draftsman, engineer and teacher. The book points out the quickest, most exact and most practical method of work to obtain the desired results.

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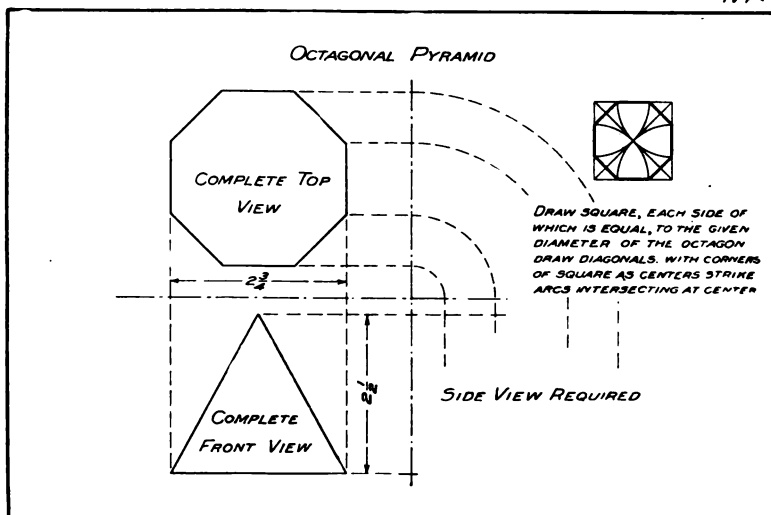
With drawings

By FRED D. CRAWSHAW

Professor of Manual Arts, University of Wisconsin

TEACHES STUDENTS TO THINK AS WELL AS TO DRAW

IVF.



THIS book is a collection of problems for the use of students beginning mechanical drawing. It is the result of years of experience in teaching the subject and in directing others in such teaching. Although intended essentially to cover the ground of a first-year high school course, the first part of the book is not too difficult for pupils of the upper grammar grades if the inking be omitted. The accompanying cut illustrates one of the plates, of which there are 88, offering 82 problems. The problems are arranged in groups, each presenting an important division of the subject. In each group the problems are arranged approximately in the order of their difficulty of solution. The proper sequence so necessary for successful instruction in mechanical drawing is an important feature of the book. With but few exceptions the problems are presented in an unsolved form with a skillfully arranged balance between the part given and the part required. Thus copying from the text is prevented and students are forced to develop their powers to think in the graphic language as well as to use pencil and instruments. The problems are both theoretical and applied, and include working drawings, orthographic and isometric projection, revolution, developments and intersections. The wide variety, the skillful arrangement and the natural human interest make it a fascinating course to the student. The book has been adopted and is in successful use in high schools and normal schools and has come to be looked upon as the standard beginning text. Loose leaf and bound in board covers. Price *postpaid*, \$1.00. Discount in quantities.

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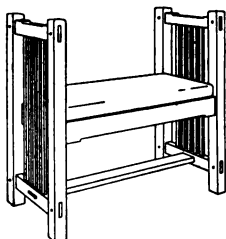
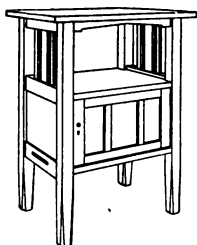
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Associate Professor of Manual Arts, University of Missouri.



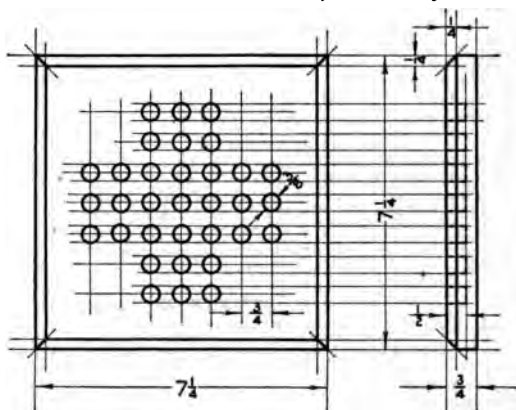
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Scout Institute, Menomonic, Wis.

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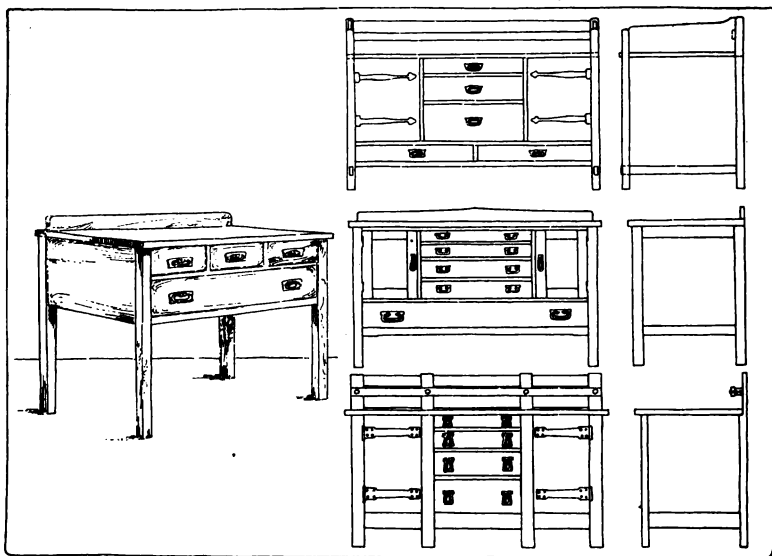
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FOR SCHOOLS AND SHOPS

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Professor of Manual Arts, University of Wisconsin.

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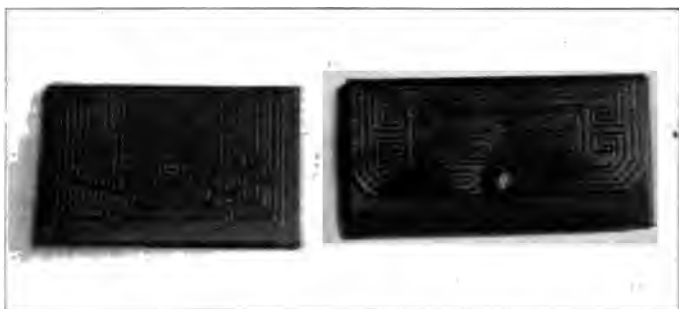
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By ADELAIDE MICKEL

Department of Manual Arts,
Bradley Polytechnic Institute, Peoria, Illinois

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THE MOST COMPLETE AND SUGGESTIVE BOOK published on leather-work for the art craft teacher and the craft worker in leather. The book is intended to be of practical assistance to teachers and students in acquiring the technique of the various kinds of leather-work. It describes the tools, processes and materials used in working leather and gives detailed descriptions of the various processes of working, treating of flat modeling, embossing, repousse, carved leather and cut work.

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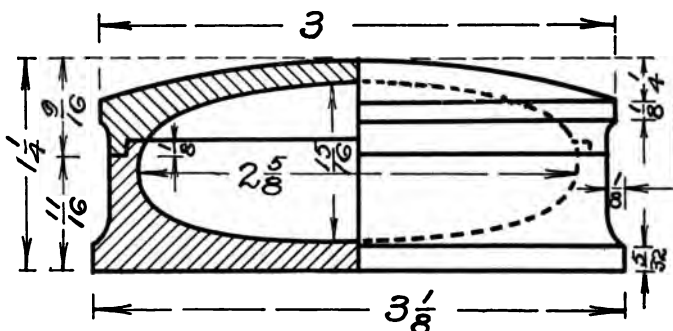
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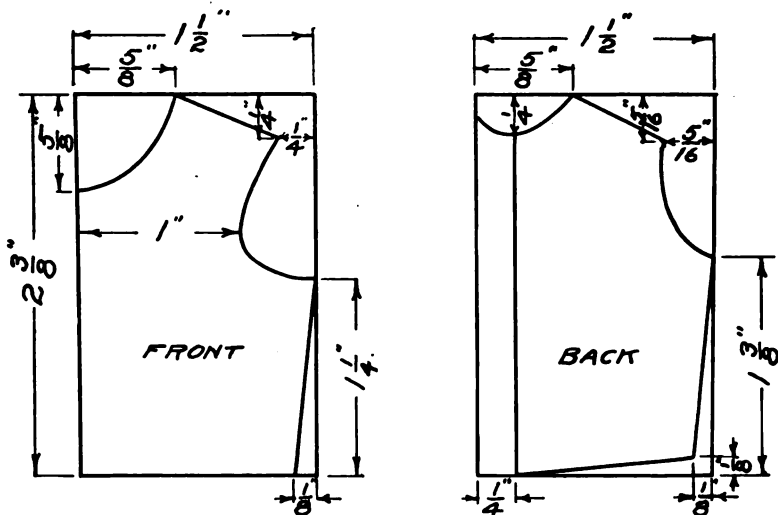
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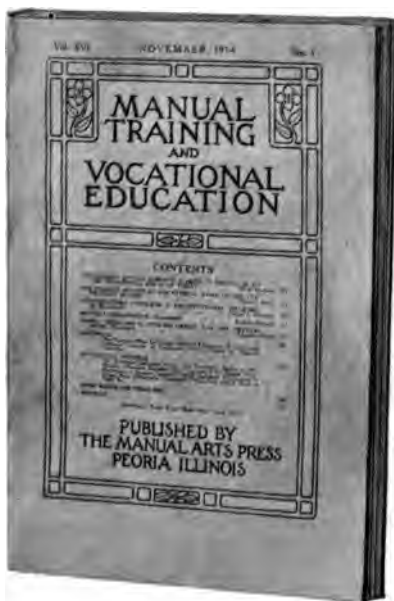
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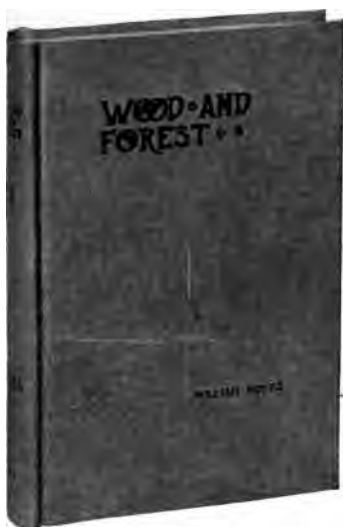
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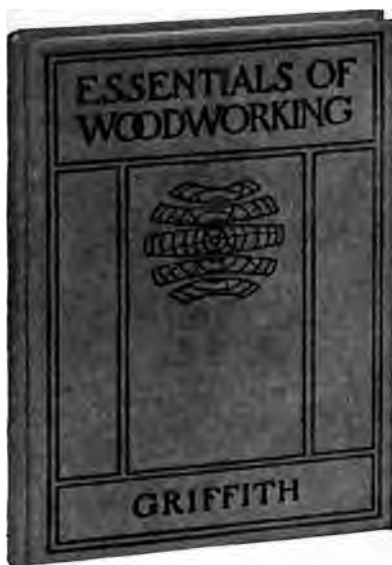
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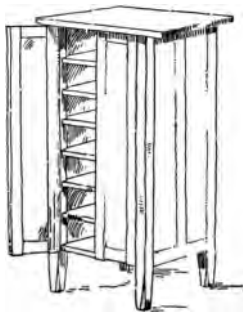
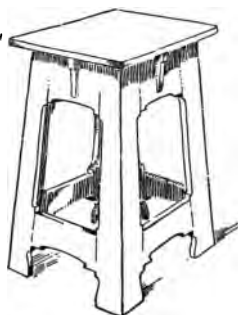
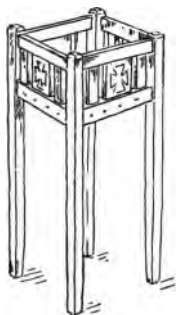
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